

Spring 2004

CONTENTS

1. Aerospace training

"The trainer's knowledge of Catia was very comprehensive. It was clear he was a user of the software by the way he understood our engineering business."

2. Boeing commit to moving to CATIA V5

And increase their supply chain dependence

3. Process development

"The application of templates has reduced the amount of engineering effort required by 50%"

4. CATIA V4 to V5 migration

Helping clients migrate to CATIA V5 by providing deployment planning, user training and additional support to maintain productivity during critical periods

5. SMARTEAM

"smaller businesses now have access to a cost effective, yet powerful business data management system."

6. Intrinsys developments

"success has been based on a policy of providing experienced engineers to work alongside clients to implement the software in a robust manner."

Intrinsys – The first company to provide accredited Aerospace training

Since October 2003, Intrinsys have been providing fully accredited Aerospace fundamental and methodology training on a regular basis. The application of Aerospace training material combined with our own engineering experience in the aerospace industry has provided an education programme that users have found particularly effective.



"On completing previous training courses I have never gone away feeling as confident to apply what I had learnt as I did after the Intrinsys training"

Nick Holmes, MCL

"The trainer's knowledge of Catia was very comprehensive and he was able to answer all our questions. It was clear he was a user of the software by the way he understood our engineering business."

Andy Gravner, ArvinMeritor

"Intrinsys' training was crucial to the success of our CATIA implementation. Their responsiveness, at-elbow support, and engineering knowledge, enabled us to achieve real benefits immediately, with virtually no impact on the business."

Ian Sprag, Ilmor Eng.

"The training was well planned out and executed."

Tholaka G Senaratne, Mainair Sport

"Friendly staff with good back-up and support. Training was creative, interesting and practical with elements tuned to suit individual needs."

James Shepherd, CK Industrial Engineers

"Intrinsys are a different type of organisation, their engineering background means that they are far more in tune with our needs. You do not come across too many consultants who have engineering deliverables to their own customers."

Rohan Chalmers, Hyde Group

Boeing commit to V5

Boeing have announced details of new aircraft programmes on CATIA V5 with immediate effect. Benefits of CATIA V5 include:

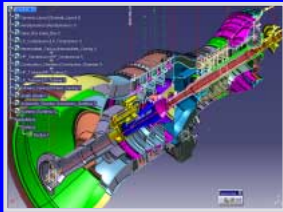
Improved design efficiency – 30% increase in productivity
Reduction in data exchange activity and subsequent clean up.
Increased concurrency – Design working on "up to date" information

Boeing are looking to place greater demands on their suppliers and thereby increase their supply chain dependence. As a result they are looking to acquire new suppliers with the right skills, tools and processes.



Process development

One key factor driving Intrinsys' is its expertise in CATIA V5 Template design applications – Templates allow a high level of analytical and knowledge input to be incorporated automatically into the 3D models. This improves the quality of the design and dramatically reduces the time taken to achieve feasible and robust geometry.



Intrinsys' achievement has created a lot of interest in the aerospace industry across the globe, resulting in enquiries from Japan, India, USA and Europe. Intrinsys is considered by the developers of CATIA, as the leading independent user of these advanced software functions for engineering applications.

Intrinsys is using this capability to develop intelligent design templates for its clients, incorporating their specific engineering and manufacturing rules.

Through developing a working relationship with Shamban Aerospace Sealing Systems and liaising with the clients engineers on a number of projects, Intrinsys' engineers have been able to demonstrate significant time-savings when modelling, detailing and manufacturing parts using CATIA V5. Intrinsys have made use of templates to allow components to be designed and manufactured more productively.

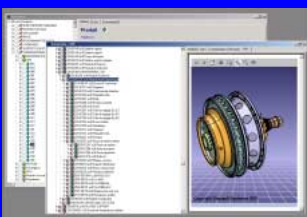


“The application of templates has reduced the amount of engineering effort required by over 50%.” Says Graham Beaumont of Shamban. The application of CATIA V5 and the engineering expertise of Intrinsys has given us a proven cost saving with additional quality benefits using this new approach.”
Graham Beaumont, Shamban

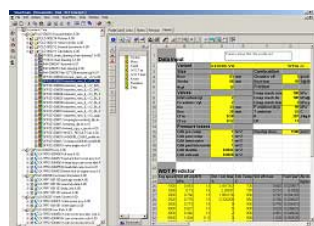


CATIA V4 to V5 migration

Intrinsys staff have helped customers with the transition from their existing systems to CATIA V5 by providing user training, system installations and additional design support to maintain productivity during these critical periods. With experience of migrating its own engineering business, Intrinsys was recently selected to manage the migration of 80 seats of CATIA V4 to V5 for a leading F1 motorsport team. This included pre-deployment planning, process development, training and at-elbow support.

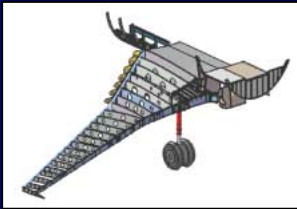


SMARTTEAM data management



There comes a point in a company's development when the task of managing engineering, purchasing and business accounting data becomes far too complex for traditional methods and separate systems.





Attend an
Aerospace
Supplier Event
on the
21st of April.
For details
Contact
Matt Costin
01908 278607

Intrinsys
Denbigh Road
Bletchley
Milton Keynes
MK1 1DB

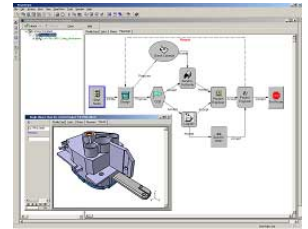
Phone:
01908 278 606

Fax:
01908 278 607

E-mail:
mcostin@intrinsys.co.uk

www.integralp.com
www.intrinsys.co.uk

Intrinsys supply and install SMARTEAM PDM a Windows based engineering and business design and data management system offering full Product Lifecycle Management (PLM). Intrinsys' parent company Integral Powertrain has implemented SMARTEAM in its own business and has found the following benefits:

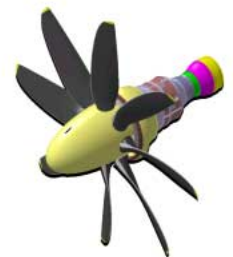


- Avoidance of design re-work – SMARTEAM ensures the design team can see all the current component designs enabling efficient parallel design activity.
- Simple BoM maintenance – BoM data is easy for the engineers to update and is automatically linked to the master BoM
- Effective design data storage – design history is handled effectively – old data is managed – current data and component relationships are mapped. If one part is modified and it has a relationship to another, these parts are flagged for checking and sign-off, as well as the original part.
- Data storage and retrieval – flexible search engines enable users to find relevant data.
- Clear and robust design releasing and quality management procedures can be easily implemented.
- Product visualisation – non-CAD users can view the parts which helps with identification and communication
- Analysis data, calculations, notes, NC machining data etc can all be stored and associated to their relevant parts.

Intrinsys developments

Intrinsys operates as an IBM Business Partner for sales and support services for CATIA, SMARTEAM & Enovia, including user training and hardware system solutions. Intrinsys is a division of Integral Powertrain (IP) an engineering consultancy working in the aerospace and automotive industries. The combination of engineering and I.T. systems expertise has proved extremely valuable to its new clients, with Intrinsys now being one of IBM's top performing UK business partners.

Intrinsys' success has been based on a policy of providing experienced engineers to work alongside clients to implement the software in a robust manner. Many clients tell us they value the level of knowledge and skill of our engineers and that this has proved important in tailoring the software and training implementation to fit the needs of their business.



Intrinsys has worked with Dassault Systemes and IBM for a number of years influencing the development of the new V5 software. Intrinsys engineers have been exploiting the new knowledge-based engineering tools to develop templates across a number of industries.

CAD checking & programming

Intrinsys also provides customers with other specialist solutions including POA automated data quality checking that supports multiple CAD environments and e-Signatory software that allows fully electronic sign-off and approval that is required by various industry authorities.

In-house programming skills also allow customised integrations between various products, enhancing customer business efficiency.